Ideal for demanding outdoor applications these 1.3 MP continuous 360° PTZ cameras with 30x zoom offers fast and accurate monitoring and excellent tracking in both low light and harsh environmental conditions.

- 1.3 MP outdoor PTZ cameras with continuous 360° panning and Auto-Flip for easy tracking of subjects
- Excellent low light performance, near or far, with f/1.4-4.6, 30x High-UD zoom lens and a wide 58.4° angle of view
- Precision monitoring with a fast, accurate 450° per second Pan / Tilt mechanism and intelligent detection functions
- Fully outdoor-ready, with IK10 vandal resistance plus extensive weatherproofing and added environmental protection
- Reliable start up at -30° and operation in extremely cold environments as low as -50°C

Product Range

VB-R11VE
VB-R10VE
VB-R11

(Scream Detection & Linked Events - VB-R11VE only)
### Technical Specifications

#### VB-R11VE & VB-R10VE

**Camera**
- **Image Sensor**: 1/3 type CMOS (primary color filter)
- **Effective Pixels**: Approximately 1.3 million pixels
- **Scanning Method**: Progressive
- **Lens**: 30x optical zoom (20x digital zoom) lens with auto focus
- **Focal Length**: H: 4.4 (W) – 132 (T) mm
- **Viewing Angle**: For 16:9 aspect ratio: Horizontal: 58.4° (W) – 2° (T), Vertical: 34° (W) – 1.2° (T)
- **For 4:3 aspect ratio**: Horizontal: 58.4° (W) – 2° (T), Vertical: 45.0° (W) – 1.6° (T)
- **Day/Night Switch**: Auto / Day Mode / Night Mode
- **Min. Subject Illumination**: (F1.4, shutter speed 1/50 sec., when smart shade control is off, SOIRE) Night Mode (colour): 0.003 lux
- **White Balance**: Auto / Light / Manual / Fixed at infinity
- **Shooting Distance** (from front of lens): Day Mode: 0.3 m (12 in.) – infinity (W), 2.0 m (6.6 ft.) – infinity (T)
- **Shutter Speed**: 1/2/4/8/16/30/60/120/240/480/960/1920/3840/7680 sec.
- **Auto / Auto / Auto (flickerless) / Auto (shutter-priority AE) / Manual
- **Exposure**: Auto / Auto / Flickerless / Auto (shutter-priority AE) / Manual
- **Frame Rate**: H.264: 2500 fps
- **Video Quality**: JPEG: 0.1 – 30 fps
- **Video Size**: H.264: 1280 x 720, 640 x 360, 320 x 180
- **Camera Management Tool**: FTP/HTTP/SMTP (email)
- **Audio Compression Method**: G.711a (64 kbps)
- **Audio Communication Method**: Full-duplex (two-way)/half-duplex
- **Audio**: Double-link audio
- **Audio File Playback**: Available (audio files can be played back when an event is triggered by the intelligent function or external device input.)
- **Privacy Mask**: Number of registrations: Max. 8 places, Number of mask colors: 1
- **View Restriction**: Available
- **Network Terminal**: IPv4, IPv6, TCP/IP, UDP, HTTP, FTP, SNMPv1/v2c/v3 (RUDP), DHCP, DNS, AutoL, mDNS, Bonjour, POP3, NTP, SMTP, RTSP, RTCD, RTP/AVP, SSL/TLS, (IPv6), ONVIF, WV-HTTP (Canon proprietary)
- **Language**: German/English/Spanish/French/Slovak/Polish/Russian/Turkish/Korean/Chinese (simplified)/Japanese
- **APPLICATION**: Camera Viewer, Mobile Camera Viewer
- **Camera software**: Camera Management Tool, Recorded Video Utility
- **Server**: H.264
- **Video Compression Method**: JPEG, H.264
- **Video Size**: H.264: 1280 x 720, 640 x 360, 320 x 180
- **Video Quality**: H.264: 1280 x 720, 640 x 480, 320 x 240
- **I-Frame Interval**: 0.5/1.5/3.25/4.5 sec.
- **Simultaneous Client Access**: Max. 30 clients (1 Admin Client + H.264: Max. 10 Clients
- **Bit Rate Control**: Target Bit Rate: 64 / 128 / 256 / 512 / 768 / 1024 / 1536 / 2048 / 3072 / 4096 / 6144 / 8992 / 10240 / 12288 / 14536 / 16384 kbps
- **ADSR Area-specific Data Size Reduction**: Number of Specified Areas: Max. 8 areas
- **Security**: Camera Control: Administrator, Authorized user, Guest user (level of control varies depending on user)
- **Access Control**: User authority (user name and password), Host Access Restrictions (IPv4, IPv6, IEEE802.1X, EAP-MDUS, EAP-TLS, EAP-TTLS, EAP-PEAP, Encrypted Communications: SSL/TLS, IPsec
**Technical Specifications**

### Memory Card
- SD Memory Card, SDHC Memory Card, SDXC Memory Card Compatible.
- Recorded Content: Log, Video (Event, Manual, ONVIF, Timer, Upload)
- Frame Rate: Max. 1 fps (JPEG)
- Max. 30 fps (H.264)

### Operating Environment
- **Temperature**
  - Operating Temperature Range (including direct sun exposure)
    - AC: -50°C – +55°C (-58°F – +131°F)
    - PoE+: -35°C – +55°C (-31°F – +131°F)
  - DC, PoE: -10°C – +55°C (14°F – +131°F)
  - Start-up Temperature Range (including direct sun exposure)
    - AC, PoE+: -30°C – +55°C (-22°F – +131°F)
    - DC, PoE: -10°C – +55°C (14°F – +131°F)
- **Humidity**
  - 5% – 85% (without condensation)

### Power Supply
- PoE: PoE+ power supply via LAN connector (IEEE802.3at Type2 compliant)
- AC Adapter: PA-V18 (100 – 240 V AC) (sold separately)
- External power source: 24 V AC/12 V DC

### Dimensions
- (Φ x H) 229 x 324 mm
  - (9.02 x 12.76 in.)
  - Camera only
- (Φ x H) 229 x 324 mm
  - Camera only (excluding connector height)

### Weight
- Approx. 3530 g (7.79 lb.)
- Approx. 3420 g (7.54 lb.)

### Impact Resistance
- IK10 (20J)

### Dust-resistant/Waterproof Specification
- IP66

### International Standard
- EN55032 Class A, FCC part15 subpart B Class A, ICES-003 Class A, VCCI Class A, BCh A5/NZS EN55022 Class A, KN24, EN50581
- IEC/UL/EN60950-1, IEC/UL/EN60950-2-0, IEC/UL/EN60950-2-2, IEC/UL/EN60529 IP66, IEC/UL/EN62262 IK10, NEMA 250 Type 4X

### What’s in the box?
- VB-R11VE Main Unit/VB-R10VE Main Unit
- Before Using this Camera
- EAC-Supported Guide
- Power Interface Cable
- I/O Interface Cable
- Wrench
- Installation Guide
- Warranty Card
- Waterproofing Tape

### Compatible Accessories
- CM10-VB
  - Ceiling Mounting Kit
- WM10-VB
  - Wall Mounting Kit
- PA10-15-VB
  - 1.5inch Pipe Adapter
- DU10-S-VB
  - Smoked Dome Unit

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VB-R11VE & VB-R10VE
**Keep every outdoor angle covered**

Ideal for demanding outdoor applications these 1.3 MP continuous 360° cameras with 30x zoom offers fast and accurate monitoring and excellent tracking in both low light and harsh environmental conditions.

**Sales Start Date: September 2015**

### Product Details:

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